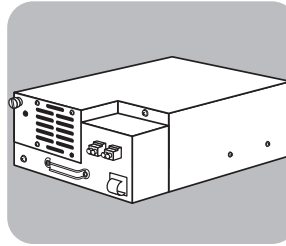


hp
StorageWorks

ESL E-Series Ultrium 460-FC Drive Upgrade

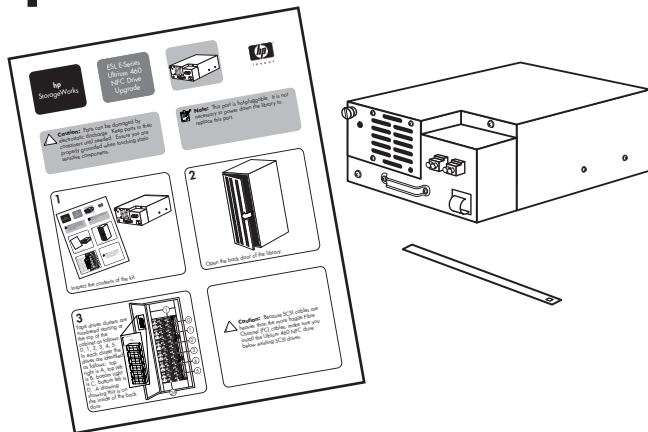


Caution: Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.



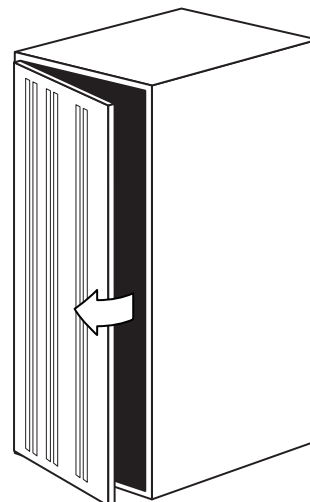
Note: This part is hot-swappable. It is not necessary to power down the library to add this part. It is, however, necessary to reboot the library in order to reconfigure the number of drives.

1



Inspect the contents of the kit.

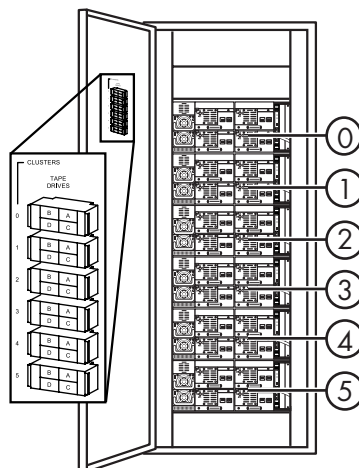
2



Open the back door of the library.

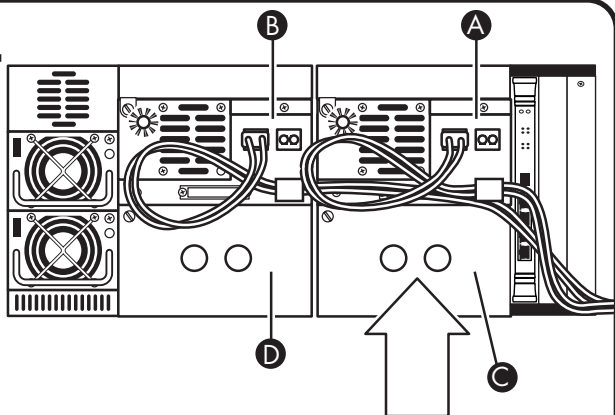
3

Drive clusters are numbered from 0 to 5 starting at the top of the cabinet. In each drive cluster the drives are identified as follows: top right is A, top left is B, bottom right is C, bottom left is D. A drawing of the drive cluster is located on the inside of the back door.



Caution: Because SCSI cables are heavier than the more fragile Fibre Channel (FC) cables, make sure you install the Ultrium 460-FC drive in a cluster below existing SCSI drives.

4

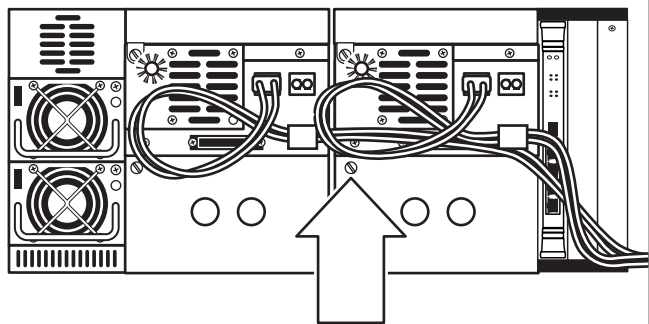


Identify the location for the new drive.



Note: Drives must be installed in order. Bay A must be filled first, then bay B, bay C, and finally bay D.

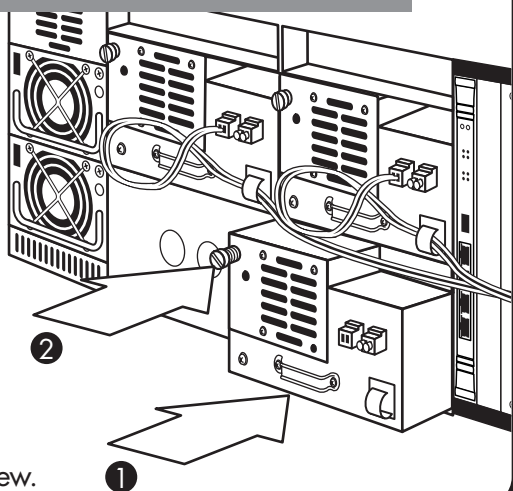
5



Remove the plate covering the bay in which the drive will be installed by removing the screw.

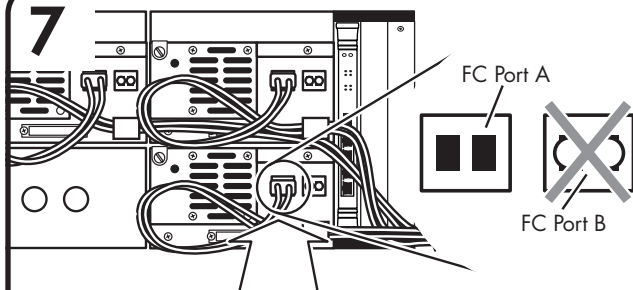
6

Installation



Slide the upgrade drive into the drive bay and tighten the captive screw.

7

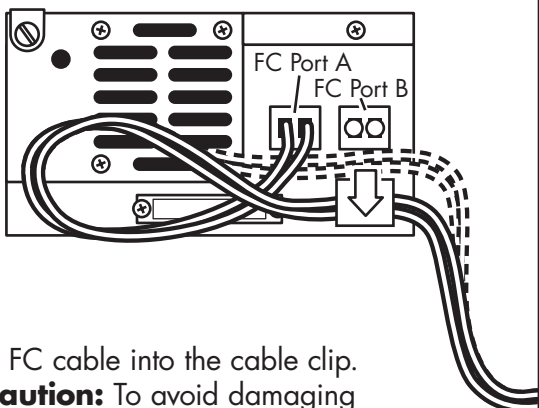


Remove FC port A end caps and attach the FC cable to the new drive. Be sure to use the cable appropriately labeled for the new drive, identified as A, B, C or D. It should already be in place from the interface controller installation.



Note: Only use FC port A when connecting the FC cable to the drive.

8



Insert the FC cable into the cable clip.



Caution: To avoid damaging the FC cable, do not sharply bend or pinch the cable. Allow a radial bend when attaching the FC cable to the cable clip.



Note: If needed, the tie wrap provided with this kit can be used to help keep the FC cables clear of the drive cluster below by attaching the cables to the drive handle.

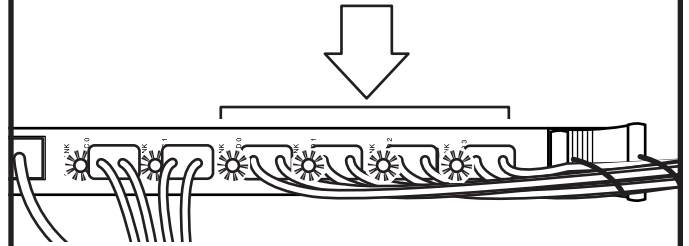
9

Configuration

Configure the library to the correct number of drives installed.

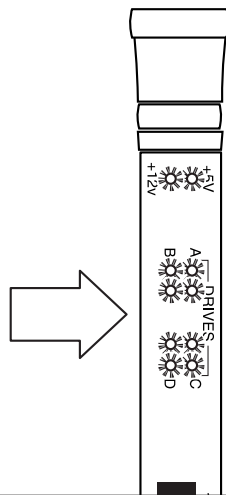
- Select **Setup** from the **Menu** screen on the OCP.
- Enter the 6-digit password. The default password is 001122.
- Use the **Down** button to move to **Configured Drives**, then press **Select**.
- Use the **Down** button to change the drive count to the actual number of drives installed.
- Press **Select** to save the configuration.
- Power cycle the library for the change to take effect.

10



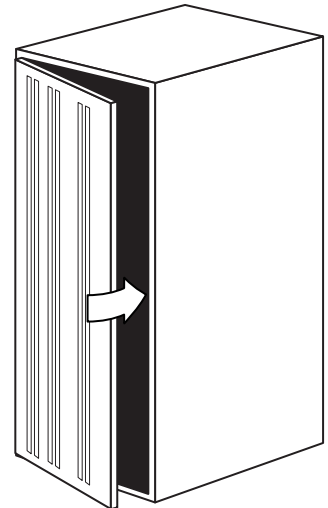
Verify that the FC port LED on the FC interface controller card is green.

11



The LED for the new drive and its associated cluster controller card LED should be green.

12



Close the back door of the library.

13

Firmware Upgrade

Upgrade the drive firmware. For complete details, refer to the HP StorageWorks Interface Manager and the *HP StorageWorks Command View ESL User Guide* that shipped with the library.

14

Make sure that Command View ESL recognizes the new drive using the Command View ESL console. Refer to the *HP StorageWorks Interface Manager and Command View ESL User Guide* for detailed procedures.

Getting help

- HP product information:
<http://www.hp.com/products/tapestorage>
- HP technical support and phone numbers:
<http://www.hp.com/support>
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
<http://www.hp.com/support/tapetools>
- Interface Manager and HP StorageWorks Command View ESL:
<http://www.hp.com/support/cvesl>

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